

## Message Text

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ACTION EUR-25

INFO OCT-01 ISO-00 CIAE-00 DODE-00 PM-07 H-03 INR-10 L-03

NSAE-00 NSC-10 PA-04 RSC-01 PRS-01 SPC-03 SS-20

USIA-15 EB-11 FEA-02 SCI-06 COME-00 TRSE-00 INT-08

AEC-11 AECE-00 DRC-01 ACDA-19 FPC-01 /162 W

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R 171704Z JAN 74

FM AMEMBASSY BONN

TO SECSTATE WASHDC 9781

INFO USMISSION EC BRUSSELS

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EC BRUSSELS FOR AEC REP

E. O. 11652:N/A

TAGS: ENRG, TECH, OVIP, GW

SUBJECT: ENERGY R&D - US/FRG COOPERATION AND VISITS BY  
TECHNOLOGY MINISTER EHMKE AND DR. SCHMIDT-KUESTER

REF: A. BONN 489, B. BONN 699, C. BONN A-23

1. SUMMARY: DR. SCHMIDT-KUESTER PLANS VISIT US FOR FEW  
DAYS BEGINNING FEBRUARY 11 TO SURVEY POSSIBILITIES OF  
US/FRG COOPERATION IN ENERGY RESEARCH AND DEVELOPMENT  
AND TO MAKE PREPARATIONS FOR MARCH VISIT BY PROFESSOR  
HORST EHMKE, FRG MINISTER FOR RESEARCH AND TECHNOLOGY.  
WE MET WITH SCHMIDT-KUESTER TO DISCUSS PLANNED FRG  
ENERGY R&D PROGRAMS AND SPECIFIC GERMAN INTERESTS IN  
COOPERATION WITH US. BOTH FRG AND US ASSIGN HIGH  
PRIORITY TO SEVERAL SIMILAR AREAS OF ENERGY R&D, I.E.  
COAL TECHNOLOGY, AND PROSPECTS FOR FRUITFUL  
COOPERATION SEEM LIMITED ONLY BY WELL-KNOWN PROBLEMS OF  
SHARING COMMERCIALY INTERESTING PROPRIETARY DATA. IN  
SOME FEW CASES, EXISTING US-FRG INDUSTRIAL CONTACTS MAY  
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SIMPLIFY GOVERNMENT-GOVERNMENT COORDINATION AND

COOPERATION. US/FRG COOPERATION IN ENERGY R&D FINANCED BY GERMANY UNDER THE OFFSET AGREEMENT AND FRG PARTICIPATION IN MULTILATERAL US-EUROPEAN URANIUM ENRICHMENT PROJECTS WILL PROBABLY NOT RPT NOT BE POSSIBLE.

ACTION REQUESTED: US VIEWS ABOUT FORMAT AND CONTENT OF BILATERAL DECLARATION OR COMMUNIQUE TO BE R ADP000 LIMITED OFFICIAL USE

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INFO OCT-01 ISO-00 CIAE-00 DODE-00 PM-07 H-03 INR-10 L-03

NSAE-00 NSC-10 PA-04 RSC-01 PRS-01 SPC-03 SS-20

USIA-15 EB-11 FEA-02 SCI-06 COME-00 TRSE-00 INT-08

AEC-11 AECE-00 ACDA-19 DRC-01 FPC-01 /162 W

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DEVELOPMENT, AND TO ENERGY CONSERVATION, TRANSMISSION AND STORAGE. IN FRG VIEW, SUCH MUTUAL INTERESTS SHOULD ESTABLISH A GOOD BASIS FOR COOPERATION IN ENERGY R&D. SPECIFIC FRG INTERESTS WOULD INCLUDE COOPERATION IN HIGH TEMPERATURE AND FAST BREEDER REACTOR DEVELOPMENT INCLUDING SEFOR FOLLOW-ON PROGRAM AND JOINT UTILIZATION OF TEST FACILITIES, SUCH AS THE FAST FLUX TEST FACILITY. S-K SPECULATED ABOUT POSSIBILITY OF CLOSE COORDINATION BETWEEN US AND FRG PROGRAMS IN THIS AREA. HE BELIEVED THERE MIGHT BE AN EXCELLENT BASIS FOR US-FRG COOPERATION, POSSIBLY INCLUDING EVEN COMMERCIAL EXPLOITATION OF SOME NUCLEAR TECHNOLOGIES AIDED BY THE CONTACTS ALREADY ESTABLISHED BETWEEN GULF-GENERAL ATOMIC AND BROWN BOVERI AND CIE AG, IN THE HRB FIRM. WE MIGHT THUS MINIMIZE PROBLEMS IN EXCHANGE OF PROPRIETARY DATA. OTHER SPECIFIC INTERESTS INCLUDE THE USE OF LOW-TEMPERATURE WASTE HEAT, TECHNIQUES FOR MODELLING FUTURE ENERGY REQUIREMENTS AND FOR PROJECTING TECHNOLOGICAL DEVELOPMENTS, AND THE CONTROLLED UNDERGROUND GASIFICATION OF COAL.

6. COAL GASIFICATION AND LIQUEFACTION PROGRAMS ARE LIMITED OFFICIAL USE LIMITED OFFICIAL USE

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ASSIGNED HIGH PRIORITY IN FRG ENERGY R&D PROGRAMS. NEW PROGRAM OUTLINE LISTS 14 PROJECTS IN THIS FIELD INCLUDING SCALE-UP TEST OF LURGI GASIFIER AT STEAG KELLERMANN POWER STATION FROM 170 MW TO 800 MW, FLUIDIZED AND FIXED-BED GASIFICATION PROCESSES, GASIFICATION OF COAL DUST AND LIGNITE, USE OF PROCESS HEAT FROM HIGH TEMPERATURE NUCLEAR REACTOR FOR GASIFICATION AND PRODUCTION OF OILS AND FEED MATERIALS FOR CHEMICAL INDUSTRY FROM COAL. CONTACTS BETWEEN GERMAN AND AMERICAN INDUSTRIES (I.E. LURGI AND EL PASO NATURAL GAS COMPANY) MIGHT ASSIST EXCHANGES OF PROPRIETARY DATA.

7. AGREEMENTS FOR COOPERATION (SEE BONN 699): TECHMIN REPS HOPED THAT EHMKE WOULD BE ABLE TO SIGN TWO AGREEMENTS FOR COOPERATION BETWEEN HIS MINISTRY AND USAEC, I.E. RADIOACTIVE WASTE MANAGEMENT AND REACTOR SAFETY R&D. THEY RECOGNIZED THAT BOTH AGREEMENTS RAISED PROBLEMS OF PROPRIETARY INFORMATION AND PATENT RIGHTS. FRG WILL COMMENT ON REACTOR SAFETY AGREEMENT IN FEW DAYS AFTER MR. SEIPEL RETURNS FROM LEAVE. TECHMIN REPS WERE UNCERTAIN WHETHER AGREEMENTS COULD BE MADE READY FOR SIGNATURE BY EHMKE. TECHMIN REPS FORESEE NO PROBLEMS IN SIGNING AGREEMENTS FOR COOPERATION IN REACTOR SAFETY R&D BETWEEN THEIR MINISTRY AND USAEC EVEN IF GOVERNMENT-GOVERNMENT "ENVIRONMENTAL" AGREEMENT IS NOT YET READY FOR SIGNATURE. SPECIFIC COOPERATIVE PROGRAMS MUST, OF COURSE, BE IMPLEMENTED THROUGH DIRECT AGENCY-AGENCY AGREEMENTS WHICH COULD, IN PRINCIPLE, BE SIGNED EITHER BEFORE OR AFTER SIGNATURE OF THE G-G "ENVIRONMENTAL" AGREEMENT WHICH IS BEING NEGOTIATED.

8. WORKING-LEVEL FOREIGN OFFICE AND TECHMIN OFFICIALS HAVE DRAFTED A DOCUMENT FOR BILATERAL RELEASE DURING MINISTER EHMKE'S VISIT. PRESENT DRAFT IS BEST DESCRIBED AS JOINT GOVERNMENTAL DECLARATION, TO BE SIGNED BY MINISTER EHMKE AND APPROPRIATE USG OFFICIAL. DRAFT DECLARATION MENTIONS EXHAUSTIVE BILATERAL DISCUSSIONS WITH USG AUTHORITIES RESPONSIBLE FOR RESEARCH, TECHNOLOGY AND ENERGY. BOTH SIDES ACKNOWLEDGE LIMITED OFFICIAL USE  
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TRADITIONALLY CLOSE S&T RELATIONSHIPS. FRG ACKNOWLEDGES THAT CLOSE CONTACTS WITH US, PARTICULARLY IN POST-WAR YEARS, MADE IT POSSIBLE FOR GERMAN S&T AGAIN TO ACHIEVE TOP RANK. GENEROUS US CONTRIBUTION IN NUCLEAR R&D IS CITED AS EXAMPLE HOW BILATERAL COOPERATION

CONTRIBUTED TO DEVELOPMENT OF US-EUROPEAN COOPERATION  
-- AN EXAMPLE RECENTLY CONFIRMED AGAIN BY US-  
EUROPEAN AGREEMENT FOR EXPLORATION OF SPACE. DRAFT  
DECLARATION COMMITS BOTH SIDES SYSTEMATICALLY  
TO DEVELOP EXISTING COOPERATION FURTHER IN SEVERAL  
SPECIFIED FIELDS, I.E. ENERGY, REACTOR SAFETY,  
RADIOACTIVE WASTE MANAGEMENT, MEDICAL-BIOLOGICAL  
TECHNOLOGY, ENVIRONMENT, TRANSPORTATION AND OCEANOGRAPHY -- TO DRAW INTO THIS PROGRAM INDUSTRIAL  
PARTNERS AND OTHER EUROPEAN COUNTRIES; AND TO  
EXCHANGE EXPERIENCES IN SEVERAL RELEVANT S&T POLICY  
AREAS. DRAFT CONCLUDES WITH RECOGNITION THAT US-FRG  
BILATERAL COOPERATION IN RESEARCH AND TECHNOLOGY IS  
VALUABLE CONTRIBUTION TO FURTHER DEVELOPMENT OF US-  
EUROPEAN RELATIONSHIPS.

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9. EMBASSY COMMENT: WHILE PRESENT TEXT OF DRAFT  
DECLARATION MIGHT BE TOO COMPLIMENTARY TO US FOR US TO  
SIGN AND RELEASE AS BILATERAL DECLARATION, WE SEE NO  
REASON WHY THE SPECIFIC COOPERATIVE PROGRAMS MENTIONED

ABOVE WOULD NOT BE MUTUALLY BENEFICIAL. SUCH A  
DECLARATION, MODIFIED SOMEWHAT TO MAKE IT MORE SUITABLE  
FOR BILATERAL RELEASE WOULD, IF SIGNED BY MINISTER  
EHMKE AND APPROPRIATE USG OFFICIAL, BE NOT ONLY  
REAFFIRMATION OF PAST AND PRESENT EXCELLENT US-FRG  
RELATIONSHIPS IN S&T BUT COULD ALSO SERVE AS  
GENERALIZED OUTLINE OF FUTURE PRIORITIES. THIS DRAFT  
DECLARATION, AFTER HIGHER-LEVEL APPROVAL BY FRG IN  
BONN, WILL BE SUBMITTED TO USG IN WASHINGTON. EMBASSY  
WOULD APPRECIATE ASAP US VIEWS ABOUT CONTENT AND FORMAT  
OF ANY BILATERALLY-AGREED DOCUMENT FOR EHMKE VISIT.  
SPECIFICALLY, WHAT FORMAT WOULD WE PREFER -- MERE  
PRESS RELEASE, JOINT COMMUNIQUE, JOINT UNSIGNED  
STATEMENT, OR SIGNED DECLARATION WHICH APPROXIMATES  
MEMORANDUM OF UNDERSTANDING FOR S&T COOPERATION AS DOES  
PRESENT FRG DRAFT. US VIEWS ARE NEEDED URGENTLY IF  
EMBASSY IS EFFECTIVELY TO GUIDE FRG PREPARATIONS FOR  
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EHMKE VISIT.  
HILLENBRAND

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** RESEARCH, ENERGY, TECHNICAL ASSISTANCE, PROGRAMS (PROJECTS), MINISTERIAL VISITS, MINISTERIAL MEETINGS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 17 JAN 1974  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Authority:** morefirh  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 28 MAY 2004  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
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**Document Number:** 1974BONN00868  
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**Document Unique ID:** 00  
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**Legacy Key:** link1974/newtext/t19740136/aaaabhpo.tel  
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**Status:** NATIVE  
**Subject:** ENERGY R&D - US/FRG COOPERATION AND VISITS BY TECHNOLOGY MINISTER EHMKE AND DR. SCHMIDT-KUESTER  
**TAGS:** ENRG, TECH, OVIP, GE  
**To:** STATE  
**Type:** TE  
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